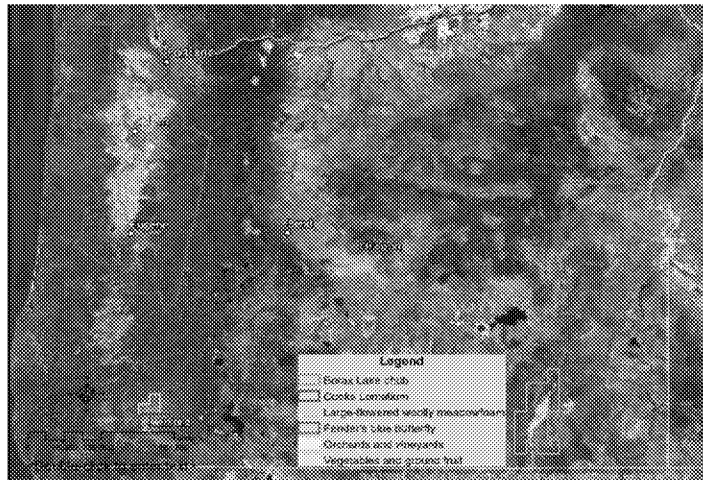
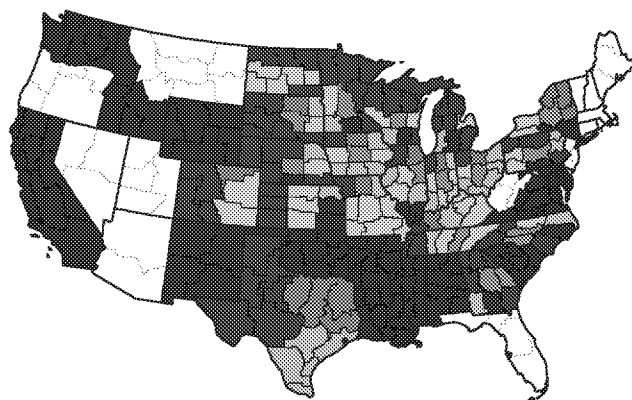


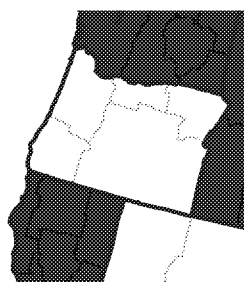
Geographic Specificity (EPA lead)

- Are there more data available on diazinon usage?
- Can the current data be provided at a finer geographic scale?

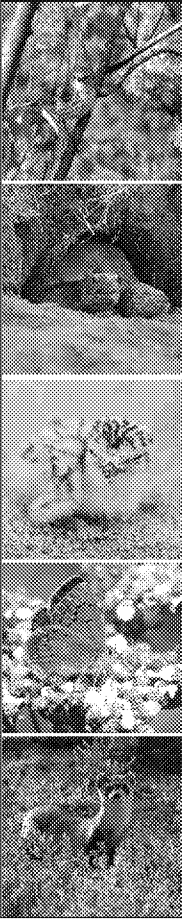




Crop Reporting Districts



State of Oregon



California Pesticide Use Reporting (PUR)

California PUR data more robust

- Mandatory reporting for agricultural crops
 - Broad legal definition of "agricultural use" including parks, golf courses, rangeland, pastures, and rights-of-way
- Primary exceptions to reporting requirements:
 - Home and garden uses
 - Industrial and institutional uses
- Geographic specificity to 1 sq mile
- Self-reporting

How do we address:
Non-surveyed crops and non-surveyed states
(CONUS)

Deliberative Process / Ex. 5

How do we address:
Non-surveyed crops and non-surveyed states
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Deliberative Process / Ex. 5

Diazinon usage data (max PCT) for vegetables and ground fruit: by state (36) and crop (22)

		STATE																																			
CROP	Category	A	A	C	C	C	D	F	G	I	I	M	M	M	M	M	N	N	N	N	N	O	O	O	P	S	T	T	V	W	W	W					
		L	Z	A	O	T	E	L	A	D	L	N	A	D	E	I	N	O	S	T	C	D	E	J	M	Y	H	K	R	A	C	N	X	A	I	Y	
Beans	veg			3				0	0	0	0			0			0				0.9		0	0		0	0			0							
Blueberries	Veg							25						*			*			19			17							47							
Broccoli	Veg			8																																	
Cabbage	Veg		0	3	0			12	0				4				0				33							74		0							
Cantaloupes	Veg		0	35				6	0	0							0											57									
Caneberries	Veg			10																				15							10						
Carrots	Veg			22										0																33	49	0					
Cauliflower	Veg		28	4																																	
Cranberries**	Veg											57							8				27								44	58					
Cucumbers	Veg			11				5	0				0	0	0		0									0	0	0	0								
Dry beans	Veg			6	0					0				0	0	0			0	0		0						0	0				0				
Honeydew	Veg			0	0																							0									
Lettuce	Veg			0	20																																
Lima Beans	Veg			21			0		0		0															0				0	0						
Onions	Veg			27	8				0	0												12		1				82	10								
Peppers	Veg			0	2			1	0								0			21	0		0					0									
Potatoes	Veg			0	0			0		0.4				0	0	0		0	0	0	0		0		0	0	0	0	0	0	0	0	0				
Pumpkins	Veg			2		0				0	0	0	0		1	0	0				23	0	0	0	0	0	0	0	0	0	0	0	0				
Spinach	Veg			0	10	0														78			34							100							
Squash	Veg			16		0		12	6			0		0			0			3		1	0		0	9	0	0	5			0					
Strawberries	Veg			14				35					0									0			0	4					24						
Tomatoes	Veg			3				27																													
Watermelon	veg		0	0	19			2	0	0						0	0	0					0			0			33								
tot # crops surveyed	23	1	8	21	5	2	1	10	10	7	3	1	3	2	1	10	3	4	1	1	9	2	2	6	2	8	3	2	9	5	4	3	14	2	11	9	1
* insufficient # of reports to establish an estimate		** no Max Annual PCT- this is Avg. Annual PCT																																			

Crops not surveyed nationally

Swiss chard	parsley
red beet	sweet potato
radishes	ginseng
Chinese cabbage	peas
Chinese radish daikon	rutabagas
collards	turnips
endive	parsnips
kale	pineapples
mustard greens	brussel sprouts
figs	garlic
nectarines	

How do we address:
Non-surveyed crops and non-surveyed states
(CONUS)

Deliberative Process / Ex. 5

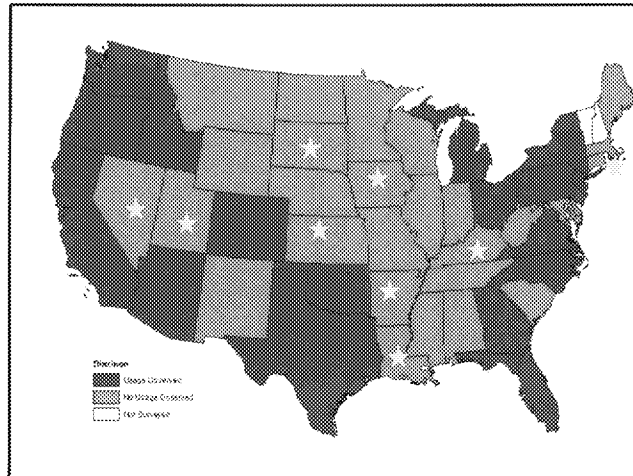
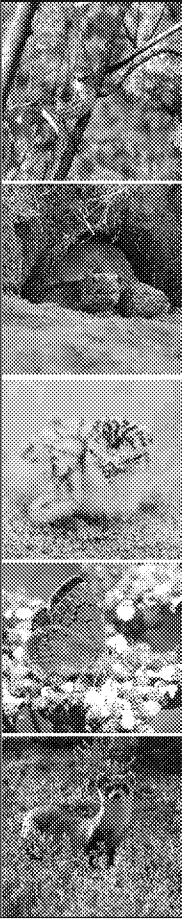


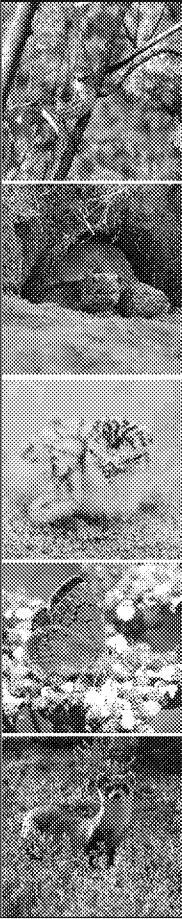
Figure 2. States with observed Diazinon usage (2010-2014).

Source: Market Research Data (MRD), 2010-2014
 *AK, HI, and US Territories are not surveyed.

11 states were not surveyed for diazinon-registered crops
 (9 states with stars + two white states)

How do we address:
Non-surveyed crops and non-surveyed states
(CONUS)

Deliberative Process / Ex. 5

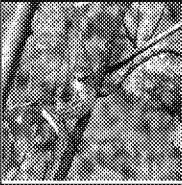


Indiana – “no usage observed”

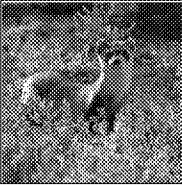
- Crops surveyed in Indiana
 - 1 crop (pumpkins: 469 farms, 3518 acres; 2012 NASS)
 - Unknown how many farms/acres surveyed
- Crops grown in Indiana (2012 NASS)
 - Vegetables and ground fruit – 32 crops
 - Orchards and vineyards – 8 crops
 - Nurseries
 - Total acreage = 35,005 acres (+ nurseries)
- % of acreage not surveyed $\geq 90\%$

How do we address:
Non-surveyed crops and non-surveyed states
(CONUS)

Deliberative Process / Ex. 5



Crop	% crop treated
Apples	38
Cherries	8
Hazelnut	0
Pears	0.4
Beans	0
Blueberries	17
Caneberries	15
Cranberries	27
Onions	1
Potatoes	0
Pumpkins	0
Squash	0
Strawberries	0

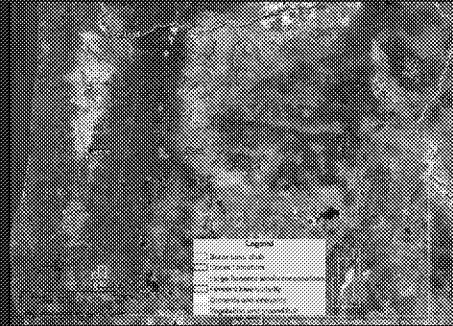


Number of growers responding per state

- Represents a subset of pesticide acreage and users

Information needed:

- How many acres/growers per state
- How many responded to surveys



Based on 2012 NASS data:

- Potatoes, 0 PCT (616 farms, 41,667 acres)
- Hazelnuts, 0 PCT (827 farms, 37,097 acres)
- Extreme PCT nationwide: 88 PCT for spinach in TX (100 farms, 2131 acres)

How do we address:
Non-surveyed crops and non-surveyed states
(CONUS)

Deliberative Process / Ex. 5

- Other considerations?

How do we address:
Non-surveyed crops and non-surveyed states
(CONUS)

Deliberative Process / Ex. 5

How do we address:
Non-surveyed crops and non-surveyed states
(CONUS)

Deliberative Process / Ex. 5

Non-CONUS states/territories (FWS Lead)

- Hawaii, Pacific Islands, Puerto Rico, Virgin Islands
- Usage – Any basis to extrapolate from CONUS data?
- Other sources for this data?